

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1-7. (Cancelled).

8. (previously presented): A method for data traffic policing in a telecommunication network by a data traffic policer on a data communication link, said data traffic including data cells which are grouped into frames, said method comprising:

for each data cell of a frame, upon reception of said data cell, checking a conformance of said data cell according to predefined conformance rules and providing a conformance result of said data cell being any one of conforming and non-conforming;

determining a position of said data cell within said frame;

storing said data cell into a frame buffer and indicating said frame as conforming when, for each data cell of said frame being stored in said frame buffer, said conformance result is conforming; and

in the event that both said frame is conforming and the position of said cell is the last cell of said frame, starting transmission of a predefined number of data cells of said frame by said traffic policer.

9. (previously presented): The method according to claim 8, wherein said predefined number of data cells is a total number of data cells of said frame.

10. (previously presented): The method according to claim 8, wherein said predefined conformance rules are any one of cell based conformance rules and frame based conformance rules.

11 (previously presented): The method according to claim 8, said method further comprising marking all data cells stored in said frame buffer as non-conforming when said conformance result of one data cell is non-conforming.

12. (previously presented): The method according to claim 8, said method further comprising treating said frame as non-conforming when said conformance result of at least one data cell stored in said frame buffer is non-conforming.

13. (previously presented): The method according to claim 8, wherein said data cell is an ATM cell, and said method further comprises determining the position of said data cell based on virtual channel identifier and virtual path identifier fields in said data cell.

14. (currently amended): A data traffic policer to be used in a telecommunication network for data traffic policing on a data communication link, said data traffic includes data cells which are grouped into frames, said data traffic policer comprising:

a decision means coupled to an input of said data traffic policer to check for each incoming data cell of a frame for conformance according to predefined conformance rules and to provide thereby a conformance result of said data cell which is any one of conforming and non-conforming, and to determine a position of said data cell within said frame;

a ~~frame~~-buffer means coupled to said decision means to store said checked data cell; and

a status means coupled to said decision means to store a conformance status of said frame whereby said conformance status of said frame is conforming in the event each data cell of said frame being stored in said ~~frame~~-buffer means is conforming; and

a transmitting means to start transmission of a predefined number of data cells of said frame when the position of said cell is the last cell of said frame received by said data traffic policer and said conforming status of said frame is still conforming.

15. (currently amended): The data traffic policer according to claim 14, wherein said predefined number of data cells is a total number of data cells of said frame ~~and~~.

16. (previously presented): A telecommunication network, wherein said telecommunication network includes a data traffic policer according to claim 14.

17. (previously presented): The telecommunications network according to claim 16, wherein said telecommunication network supports a guaranteed frame rate service category and that said conformance is checked according to conformance definitions of said guaranteed frame rate service category.

18. (previously presented): The data traffic policer according to claim 14, wherein all data cells stored in said ~~frame~~-buffer means for said frame are marked as non-conforming when said conformance result of one data cell is non-conforming.

19. (previously presented): The data traffic policer according to claim 14, wherein said status means indicates said frame as non-conforming when said conformance result of at least one data cell stored in said ~~frame~~-buffer means for said frame is non-conforming.

20. (previously presented): A data traffic policer to be used in a telecommunication network for data traffic policing on a data communication link, said data traffic includes data cells which are grouped into frames, said data traffic policer comprising:

a decision device coupled to an input of said data traffic policer to check for each incoming data cell of a frame for conformance according to predefined conformance rules and to provide thereby a conformance result of said data cell which is any one of conforming and non-conforming, and to determine a position of said data cell within said frame;

a frame buffer coupled to said decision device to store said data cell; and

a status device coupled to said decision device to store a conformance status of said frame whereby said conformance status of said frame is conforming in the event when for each data cell of said frame being stored in said frame buffer said conformance result is conforming; and

a transmitter to start transmission of a predefined number of data cells of said frame upon when the position of said data cell is the last cell of said frame received by said data traffic policer and said conforming status of said frame is still conforming.

21. (previously presented): The data traffic policer according to claim 20, wherein said predefined number of data cells is a total number of data cells of said frame.

22. (previously presented): The data traffic policer according to claim 20, wherein all data cells stored in said frame buffer for said frame are marked as non-conforming when said conformance result of one data cell is non-conforming.

23. (previously presented): The data traffic policer according to claim 20, wherein said status device indicates said frame as non-conforming when said conformance result of at least one data cell stored in said frame buffer for said frame is non-conforming.